Package-1, includes 10 works of Rs. 146.50 lakhs

1.Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.2.Providing Modern Dust Bins in Banglore City in Ward No 8. 3.Improvements Works to Burial Ground at Kodigehalli in Ward No. 08, Kodigehalli.4.Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli. 5. Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Kodigehalli.6.Providing Drinking Water Facility in Ward No. 08, Kodigehalli.7. Construction and Improvments of Tiolet in Ward No 08. 8. Improvements to Footpath and Drains at Sahakaranagara in Ward No. 08, Kodigehalli. 9. Improvements to Roads and Drains in Ward No. 08, Kodigehalli. 10.Improvements of Park in Ward No. 8 Kodigehalli.

Second and Final Bill

Bar Chart

Sl.No	Description of work	BOQ	Quantity Completed	% Completed	Progress Chart
					20% 40% 60% 80% 100%
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through	4.00	4.00	100.00%	
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM &	200.00	200.00	100.00%	
3	50 to 100 m	200.00	200.00	100.00%	
4	100 to 150 m	200.00	200.00	100.00%	
5	150 to 200 m	200.00	200.00	100.00%	
6	200 to 250 m	200.00	200.00	100.00%	
7	250 to 300 m	200.00	200.00	100.00%	
8	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance	380.00	380.00	100.00%	
9	Providing 250mm dia PVC Pipe 6kg/cm as per specification and direction of the Engineer in Charge of	72.00	72.00	100.00%	
10	Providing and fixing 160mm Borewell Cap ,with all lead and lift, loading, unloading and labour charges etc.,	6.00	6.00	100.00%	
11	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for	4.00	4.00	100.00%	
12	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50mm dia nominal bore with all	1040.00	1040.00	100.00%	
13	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic	2160.00	2160.00	100.00%	
14	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm)	176.00	176.00	100.00%	
15	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides	6.00	6.00	100.00%	
16	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap	180.00	180.00	100.00%	
17	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, with all lead and lift,	180.00	180.00	100.00%	
18	Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required ground level and consolidating	150.00	150.00	100.00%	
19	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain	24.00	24.00	100.00%	

20	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary	6.00	6.00	100.00%
21	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter	6.00	6.00	100.00%
22	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts,	36.00	36.00	100.00%
23	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make	4.00	4.00	100.00%
24	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per	4.00	4.00	100.00%
25	SSupplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour	16.00	16.00	100.00%
26	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary	6.00	6.00	100.00%
27	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with	123000.00	122880.00	99.90%
28	Supplying fully automatic store detta starter unit push button type with suitable wires three contractors one	4.00	4.00	100.00%
29	Earthwork excavation for pipeline foundation including deporiting or bank up to a depth of 50 mtrs including	783.00	783.00	100.00%
30	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng	1740.00	1740.00	100.00%
31	Sand filling in wells complete as per drawing and technical specifications etc., complete and as per the	313.20	313.20	100.00%
32	Refilling the bumont and pipeline treanches with secleted available earthe for trench excavation including	469.80	469.80	100.00%
33	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal	14.00	14.00	100.00%
34	Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in	460.28	460.28	100.00%
35	Removing and resetting of footpath slab etc complete as per specifications and directions of engineer in charge of	1500.00	1499.70	99.98%
36	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down	91.86	91.86	100.00%
37	Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation, loading	623.52	623.34	99.97%
38	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width	1522.00	1522.00	100.00%
39	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered	958.50	957.83	99.93%
40	Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry /	958.50	957.83	99.93%
41	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and	3.60	3.60	100.00%
42	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6,	6.48	6.48	100.00%
43	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6,	4.86	4.86	99.90%
44	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to	21.60	21.60	100.00%

45	Providing precast slab of 250 mm thick including cost of all materials, labour, curing, transportation, loading	21.60	21.60	100.00%	
46	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than	487.50	487.47	99.99%	
47	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in	95.40	95.60	100.00%	
48	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and	15.69	15.69	100.00%	
49	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6,	22.09	22.09	100.01%	
50	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6,	25.78	25.78	100.01%	
51	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down	23.60	23.60	100.00%	
52	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3,	187.74	155.01	82.57%	
53	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block	147.24	147.24	100.00%	
54	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding	207.25	207.25	100.00%	
55	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade	201.40	200.00	99.30%	
56	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow	5.70	5.70	100.00%	
57	Sand Filling in Foundation Trenches as per Drawing & Technical etc complete as per specifications and	42.75	42.75	100.00%	
58	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal	90.00	90.00	100.00%	
59	Providing Children play Merry-go-Round equipment : Made of MS 'A' Class pipes. Main pillars in 100 mm dia	1.00	1.00	100.00%	
60	Providing Children Play Standard Swing : This Swing consosts of 2 Nos, seat of solid fibbed FP of size 480	1.00	1.00	100.00%	
61	Duck wheel etc complete as per specifications and directions of engineer in charge of the work	1.00	1.00	100.00%	
62	Duck Swing (2 seater) etc complete as per specifications and directions of engineer in charge of the work	1.00	1.00	100.00%	
63	Mini Slide etc complete as per specifications and directions of engineer in charge of the work	1.00	1.00	100.00%	
64	Providing Granite Benches etc complete as per specifications and directions of engineer in charge of the	6.00	6.00	100.00%	
65	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off	4.52	4.50	99.56%	
66	Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface	204.26	203.14	99.45%	
67	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing etc.,	8.33	8.31	99.76%	
68	Providing and applying two coats with oil bound washable distemper of approved brand and shade on	50.01	50.01	100.00%	
69	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade	176.17	176.05	99.93%	

70	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a	4.56	4.56	100.00%	
71	Providing and fixing in position collapsible steel shutters with single or double leaf with vertical channel	4.80	4.80	100.00%	
72	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with	65.40	65.40	100.00%	
73	SOLID PVC DOOR FRAME Providing & fixing factory made PVC Door frame of size 50x47mm with a wall	24.57	24.57	100.00%	
74	SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door	3.15	3.15	100.00%	
75	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal	200.00	200.00	100.00%	
76	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal	195.00	195.00	100.00%	
77	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm	10.00	10.00	100.00%	
78	Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure	40.00	40.00	100.00%	
79	Constructing brick masonry inspection chamber 455 x 610 mm and 450mm depth, (clear inside dimension) for	4.00	4.00	100.00%	
80	Providing and fixing white vitreous china clay, surgeon type wash basin size 660x460mm with a pair of 15mm	2.00	2.00	100.00%	
81	Providing and fixing in position brass bib cock of approved quality 25mm nominal bore including cost of	10.00	10.00	100.00%	
82	Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral	2.00	2.00	100.00%	
83	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking	1.00	1.00	100.00%	
84	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and	8.00	8.00	100.00%	
85	Outdoor PLZ IP Cameras with 20 X optical zoom with controller along with suitable mounting system (PTZ Pan	1.00	1.00	100.00%	
86	Bracket (Corner Mount / Pole Mount/ Wall Mount) for mounting the PTZ camera.	6.00	6.00	100.00%	
87	Outdoor 50 Meter IP Cameras with IR & Mounting Bracket (with IR for day and night vision and can provide	6.00	6.00	100.00%	
88	Bracket and weatherproof Installation kit for 50 Meter IP Camera	6.00	6.00	100.00%	
89	Outdoor 30 Meter IP Cameras with IR & Mounting Bracket (with IR for day and night vision and can provide	6.00	6.00	100.00%	
90	Bracket and weatherproof Installation kit for 30 Meter IP Camera	6.00	6.00	100.00%	
91	32 Channel NVR DS 7732 NI- E4 (with 4 Sata Option) the control box and the recording device to connect upto	1.00	1.00	100.00%	
92	12 TB NAS Box for Back up (NET GEAR) provides storage for the recorded data for quick view back and	1.00	1.00	100.00%	
93	4 TB SATA for storage and fitted in the NVR Device for storage	2.00	2.00	100.00%	
94	A suitable sheet metal control panel to house site Equipments (Weather Proof) The power supply and the	12.00	12.00	100.00%	

					Bar Chart
95	Power supply for the camera.	12.00	12.00	100.00%	
96	Ethernet Switch for connectivity to Internet and Camera	12.00	12.00	100.00%	
97	Supply & Laying of Network and Power Cables from Camera to the control Box.	9.00	9.00	100.00%	
98	Video Manager Application Software for Display and Management of Camera on Video Display.	6.00	6.00	100.00%	
99	Installation, Erection & commissioning charges	6.00	6.00	100.00%	
100	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the	2.32	2.31	99.57%	
101	KSRRB M200-14.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure	11.62	11.40	98.11%	
102	KSRB 2.14-1: Extra for additional lift of 1.5m. or part thereof for excavation In loose / soft or hard soil	20.38	20.38	100.02%	
103	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @220kgs, with 40mm and	18.46	18.46	99.99%	
104	KSRB 5.1-3 : Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement	44.09	43.31	98.23%	
105	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form	31.20	31.20	100.00%	
106	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars,	74.36	74.36	100.00%	
107	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form	55.24	55.24	99.99%	
108	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form	98.85	98.85	100.00%	
109	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form	65.18	65.18	100.00%	
110	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @	17.95	17.95	99.97%	
111	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending,	7.66	7.66	99.99%	
112	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not	22.93	22.93	100.01%	
113	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200	136.12	136.12	100.00%	
114	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200	156.11	156.11	100.00%	
115	KSRB15-3.4 : Providing 15mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry	468.16	467.69	99.90%	
116	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including	98.85	98.85	100.00%	
117	KSRB 15.10.2 Providing white washing for every one additional coat with lime of approved quality, to give an	468.16	467.69	99.90%	
118	KSRB 15.10.4 Providing white washing to ceiling and / or sloping roof surface with additional one coat with lime	98.85	98.84	99.99%	
119	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved	200.45	199.33	99.44%	

Bar Chart

120	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even	235.58	235.58	100.00%
121	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even	98.85	98.84	99.99%
122	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and	106.90	106.86	99.96%
123	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and	232.58	232.58	100.00%
124	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm	9.72	9.72	100.00%
125	KSRB 7.9:Providing and fixing M.S.gill work for windows and ventilators using M.S.flats, or M.S. square rods, or	319.41	319.41	100.00%
126	KSRB 9.4-2 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other	0.16	0.16	100.00%
127	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails	4.20	4.20	100.00%
128	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with	13.56	13.56	100.00%
129	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996	4.00	4.00	100.00%
130	KSRB13-8.5 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm	70.00	70.00	100.00%
131	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. (P.No. 88, I.No. 12.111 of PWD SR 2016-	40.00	40.00	100.00%
132	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of	40.00	40.00	100.00%
133	KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including	25.00	25.00	100.00%
134	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed	20.00	20.00	100.00%
135	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed	25.00	25.00	100.00%
136	Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, (clear inside	8.00	8.00	100.00%
137	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm	6.00	6.00	100.00%
138	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap	19.00	19.00	100.00%
139	KSRB 11-7.4 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of	9.00	9.00	100.00%
140	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of	9.00	9.00	100.00%
141	Fabricating, supplying and erecting M.S. TubularTruss of span upto 10m. The bottom and top member is provided	52.28	52.28	100.00%
142	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron	20.64	20.64	100.00%
143	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through	2.00	2.00	100.00%
144	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM &	100.00	100.00	100.00%

145	50 to 100 m	100.00	100.00	100.00%	
	100 to 150 m	100.00	100.00	100.00%	
147	150 to 200 m	100.00	100.00	100.00%	
148	200 to 260 m	120.00	120.00	100.00%	
149	Providing 250mm dia PVC Pipe 6kg/cm SE PRED Approved Rate	36.00	36.00	100.00%	
150	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for	2.00	2.00	100.00%	
151	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW)	500.00	500.00	100.00%	
152	Heavy Duty Collar 50 mm dia	88.00	88.00	100.00%	
153	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic	510.00	510.00	100.00%	
154	Erection of pumpset including aligning and balancing with all necessary erection materials and labour	2.00	2.00	100.00%	
155	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type	2.00	2.00	100.00%	
156	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per	2.00	2.00	100.00%	
157	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour	8.00	8.00	100.00%	
158	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor	2.00	2.00	100.00%	
159	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous	2.00	2.00	100.00%	
160	Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including	54.00	54.00	100.00%	
161	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng	120.00	120.00	100.00%	
162	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including	54.00	54.00	100.00%	
163	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed	2.00	2.00	100.00%	
164	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement	19.50	19.50	100.01%	
165	SOLID PANEL PRELAM PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam	23.22	23.22	100.00%	
166	Providing Modern Dust Bins	10.00	10.00	100.00%	

Consultant

Assistant Engineer
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Byatarayanapura Division
B.B.M.P

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.